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Datasheet for ABIN7043393

anti-Neurotrophin 4 antibody (Intracellular)

2 Images

Overview

Quantity:	50 µL
Target:	Neurotrophin 4 (NTF4)
Binding Specificity:	AA 43-52, AA 123-132, Intracellular
Reactivity:	Human, Mouse, Rat
Host:	Rabbit
Clonality:	Polyclonal
Application:	Western Blotting (WB), Immunohistochemistry (IHC), Immunofluorescence (IF)

Product Details

Immunogen:	Immunogen: Synthetic peptide Immunogen Sequence: LGEVPAAGGSPL(C), corresponding to amino acid residues 43-52 of mature human NT-4 (residues 123-132 of the precursor NT-4)
Isotype:	IgG
Characteristics:	Anti-Neurotrophin 4 (NT-4) Antibody is directed against an epitope of human Neurotrophin 4. Anti-Neurotrophin 4 (NT-4) Antibody (ABIN7043393 and ABIN7044750) can be used in western blot and immunohistochemistry applications. It has been designed to recognize NT-4 from rat, mouse and human samples.
Purification:	Affinity purified on immobilized antigen.

Target Details

Target:	Neurotrophin 4 (NTF4)
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Target Details

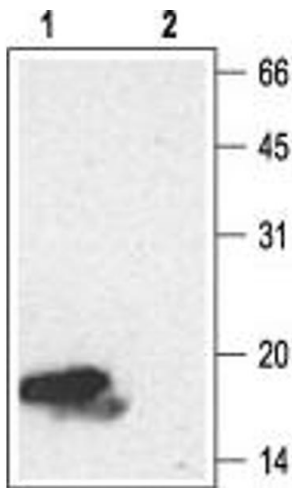
Alternative Name:	Neurotrophin 4 (NT-4) (NTF4 Products)
Background:	Alternative names: Neurotrophin 4 (NT-4), NTF4, Neurotrophic factor 4, Neurotrophin 5, NT-5, NTF5, Neurotrophic factor 5, NT 4/5
Gene ID:	4909
NCBI Accession:	NM_006179
UniProt:	P34130
Pathways:	RTK Signaling

Application Details

Application Notes:	Optimal working dilution should be determined by the investigator.
Restrictions:	For Research Use only

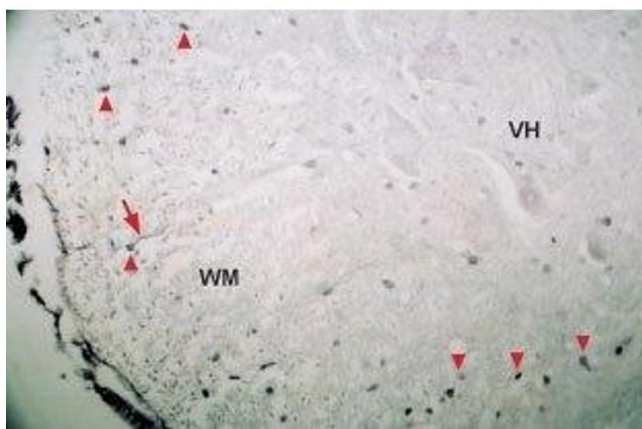
Handling

Format:	Lyophilized
Reconstitution:	50 µL or 0.2 mL double distilled water (DDW), depending on the sample size.
Concentration:	0.3 mg/mL
Buffer:	Reconstituted antibody contains phosphate buffered saline (PBS), pH 7.4, 1 % BSA, 5 % sucrose, 0.025 % Sodium azide.
Preservative:	Sodium azide
Precaution of Use:	This product contains Sodium azide: a POISONOUS AND HAZARDOUS SUBSTANCE which should be handled by trained staff only.
Storage:	RT, 4 °C, -20 °C
Storage Comment:	<p>Storage before reconstitution: The antibody ships as a lyophilized powder at room temperature. Upon arrival, it should be stored at -20°C.</p> <p>Storage after reconstitution: The reconstituted solution can be stored at 4°C for up to 1 week. For longer periods, small aliquots should be stored at -20°C. Avoid multiple freezing and thawing. Centrifuge all antibody preparations before use (10000 x g 5 min).</p>



Western Blotting

Image 1. Western blot analysis of Recombinant human Neurotrophin-4 (NT-4) protein (#N-270), (10 ng): - 1. Anti-Neurotrophin 4 (NT-4) Antibody (ABIN7043393 and ABIN7044750), (1:200). 2. Anti-Neurotrophin 4 (NT-4) Antibody, preincubated with Neurotrophin 4/NT-4 Blocking Peptide (#BLP-NT004).



Immunohistochemistry

Image 2. Expression of Neurotrophin 4 in mouse spinal cord - Immunohistochemical staining of mouse spinal cord using Anti-Neurotrophin 4 (NT-4) Antibody (ABIN7043393 and ABIN7044750). The spinal ventral horn (VH) was very lightly stained. However, in the perimeter of the white matter (WM) there were NT-4 immunoreactive cells with a small soma (triangles) and some had a stained process (arrows).